

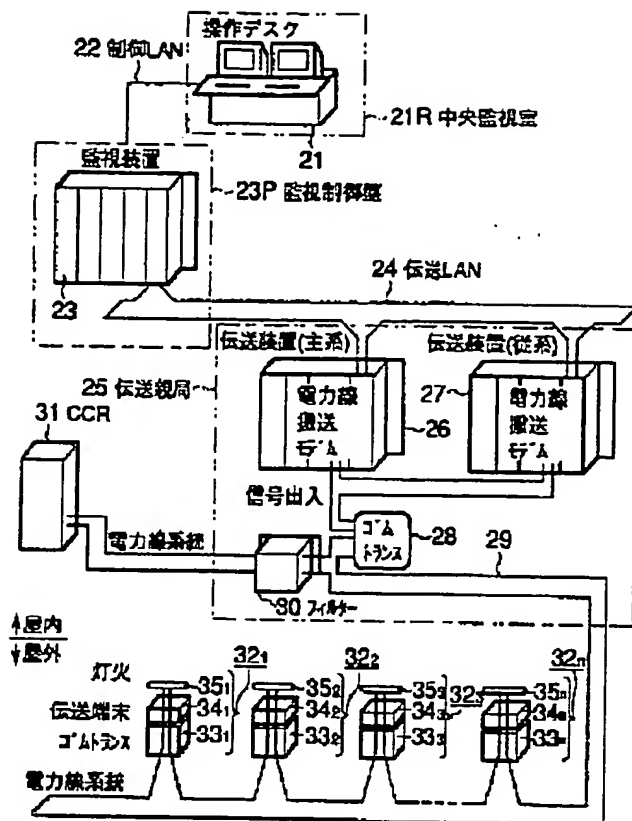
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TITLE : POWER LINE CARRIER COMMUNICATION SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To attain bidirectional communication between a master station and a slave station equivalent to a case where an exclusive signal line is used, without modifying an existing electric power source circuit system.

SOLUTION: An operation desk 21 inputs a lighting control command relating to lighting control to a transmission master station 25 via a monitor 23 based on operation of an operator, an operation part generates a parallel signal serving as an origin for a transmission signal based on the control command in a transmitter 26 inside the master station 25, a power line carrier modem converts the parallel signal into a series signal to be fed to a power line 29 via a rubber transformer 28, a power line conveying modem takes the series signal on the power line 29 in via rubber transformers 331-33n inside respective slave stations 321-32n to convert it into a parallel signal, the operation part confirms a group ID or individual IDs based on the parallel signal, and lighting control is conducted thereafter.

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